



US Army Engineering & Support Center
Huntsville, Alabama

Ordnance & Explosives Innovative Technology Program

PROJECT: CINTEC Water Containment System Study

TEAM MEMBER: US Army Engineering Research & Development Center, Vicksburg, MS

PROJECT DESCRIPTION: This project is to test the capabilities of a commercial water containment system produced by CINTEC to defeat the fragmentation from an 81 mm mortar. The system consists of a series of bladders that are filled with air, positioned over/around the munition, and then filled with water.



CINTEC Water Containment System

The testing completed in FY 05 shows that the CINTEC water containment system shown above contains all the fragments from an 81mm mortar. When used in the field, this system has another bladder that encloses the front to provide protection in all directions.

POTENTIAL TECHNOLOGY APPLICATIONS: This system provides an additional means of containing the water for mitigating the effects of intentional detonations thereby reducing the required exclusion zone.

FUTURE WORK: Economic comparison of this system and standard sandbags is planned for FY06. An amendment to the water mitigation explosives safety submission to include this system will be prepared and submitted for approval in FY 06.

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